

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 October 2005 (27.10.2005)

PCT

(10) International Publication Number
WO 2005/099553 A2

(51) International Patent Classification⁷: A47L 15/44

(21) International Application Number:
PCT/EP2005/051604

(22) International Filing Date: 12 April 2005 (12.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
TO2004A000226 13 April 2004 (13.04.2004) IT

(71) Applicant (for all designated States except US): ELBI INTERNATIONAL S.p.A. [IT/IT]; Corso Galileo Ferraris, 110, I-10129 Torino (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): MARONE, Giuseppe [IT/IT]; Via Tagliaferro, 22, I-10024 Moncalieri (IT).

(74) Agents: QUINTERNO, Giuseppe et al.; Corso Emilia, 8, I-10152 Torino (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

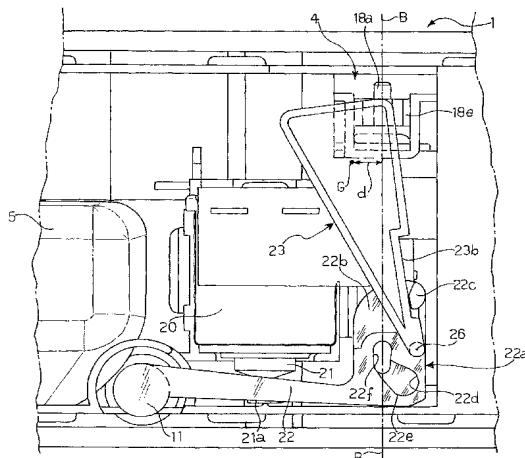
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,

[Continued on next page]

(54) Title: AN INTEGRATED WASHING AGENT DISPENSER, IN PARTICULAR FOR A DISHWASHER



(57) Abstract: The device (1) can be used in particular for the pivotable door of a dishwasher and comprises, in a structure or body (2) a first dispenser device (5, 6) for a washing agent, and a second dispenser device (4) for rinse agent, an electrically controlled actuator device (20, 21) connected to the first dispenser device (5, 6) in such a way that when the door is closed, a first excitation of the actuator device (20, 21) causes substantially only washing agent to be dispensed, and connected to the second dispenser device (4) by means of a transmission mechanism (22, 23) which includes a pivotable interconnecting element (23). The interconnecting element (23) is able to make the mechanism (22, 23) inoperative when the door of the dishwasher is opened, and to make it operative after a first excitation of the actuator device (20, 21) after the door has been closed. One end (23a) of this interconnecting element (23) is pivoted directly onto a movable control member (18) of the second dispenser device (4).

WO 2005/099553 A2



TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.